



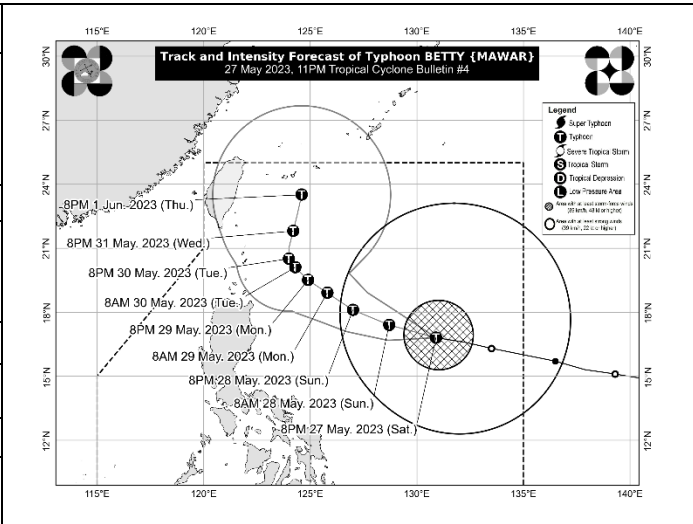
**TROPICAL CYCLONE BULLETIN NO. 4**  
**Typhoon BETTY (MAWAR)**

Issued at 11:00 PM, 27 May 2023

Valid for broadcast until the next bulletin at 5:00 AM tomorrow.


**“BETTY” WEAKENS INTO A TYPHOON AS IT CONTINUES TO MOVE OVER THE PHILIPPINE SEA**

<b>Location of Center (10:00 PM)</b>
The center of the eye of Typhoon BETTY was estimated based on all available data at <b>895 km East of Central Luzon or 935 km East of Northern Luzon (16.9°N, 130.5°E)</b>
<b>Intensity</b>
Maximum sustained winds of <b>175 km/h</b> near the center, gustiness of up to <b>215 km/h</b> , and central pressure of <b>920 hPa</b>
<b>Present Movement</b>
<b>Westward at 25 km/h</b>
<b>Extent of Tropical Cyclone Winds</b>
<b>Strong to typhoon-force winds</b> extend outwards up to <b>740 km</b> from the center



**TRACK AND INTENSITY FORECAST**

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
<b>12-Hour Forecast</b> 8:00 AM 28 May 2023	17.4	128.7	735 km East of Tuguegarao City, Cagayan	175	TY	WNW 20
<b>24-Hour Forecast</b> 8:00 PM 28 May 2023	18.1	127.0	570 km East of Aparri, Cagayan	175	TY	WNW 15
<b>36-Hour Forecast</b> 8:00 AM 29 May 2023	18.9	125.8	460 km East of Calayan, Cagayan	165	TY	NW 15
<b>48-Hour Forecast</b> 8:00 PM 29 May 2023	19.5	124.9	360 km East of Calayan, Cagayan	155	TY	NW 10
<b>60-Hour Forecast</b> 8:00 AM 30 May 2023	20.1	124.3	245 km East of Basco, Batanes	150	TY	NW 10
<b>72-Hour Forecast</b> 8:00 PM 30 May 2023	20.5	124.0	210 km East of Basco, Batanes	150	TY	NW Slowly
<b>96-Hour Forecast</b> 8:00 PM 31 May 2023	21.8	124.2	270 km East Northeast of Itbayat, Batanes	130	TY	N Slowly
<b>120-Hour Forecast</b> 8:00 PM 01 June 2023	23.5	124.6	415 km Northeast of Itbayat, Batanes	120	TY	NNE 10

Prepared by:   
**PCDM**

Checked by:   
**RPG**




**TROPICAL CYCLONE BULLETIN NO. 4**  
**Typhoon BETTY (MAWAR)**


Issued at 11:00 PM, 27 May 2023

Valid for broadcast until the next bulletin at 5:00 AM tomorrow.

TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>1</b> Wind threat: <b>Strong winds</b>	<b>Batanes, Cagayan including Babuyan Islands, Isabela, Apayao, Ilocos Norte, the northern and central portions of Abra</b> (Tineg, Lacub, Lagayan, San Juan, Lagangilang, Licuan-Baay, Malibcong, Danglas, La Paz, Dolores, Tayum, Bucay, Sallapadan, Daguioman, Bucloc, Boliney), <b>Kalinga, the eastern and central portions of Mountain Province</b> (Sadanga, Barlig, Natonin, Paracelis, Bontoc), <b>the eastern and central portions of Ifugao</b> (Mayoyao, Aguineldo, Alfonso Lista, Banaue, Hingyon, Lagawe, Lamut, Kiangan, Asipulo), <b>the northern and central portions of Aurora</b> (Dilasag, Casiguran, Dinalungan, Dipaculao), <b>Quirino and the northeastern portion of Nueva Vizcaya</b> (Kasibu, Quezon, Solano, Bagabag, Diadi, Villaverde, Bayombong, Ambaguio)	-	-
	Warning lead time: <b>36 hours</b> Range of wind speeds: <b>39 to 61 km/h (Beaufort 6 to 7)</b> Potential impacts of winds: <b>Minimal to minor threat to life and property</b>		

HAZARDS AFFECTING LAND AREAS
<p><b><u>Heavy Rainfall Outlook</u></b></p> <p><b>Forecast accumulated rainfall from tomorrow evening to Monday evening</b></p> <ul style="list-style-type: none"> <li>• <b>50-100 mm:</b> The eastern portion of Babuyan Islands and the northeastern portion of mainland Cagayan</li> </ul> <p><b>Forecast accumulated rainfall from Monday evening to Tuesday evening</b></p> <ul style="list-style-type: none"> <li>• <b>Greater than 200 mm:</b> Batanes</li> <li>• <b>100-200 mm:</b> Babuyan Islands, the northern portion of mainland Cagayan, Apayao, Ilocos Norte and Ilocos Sur</li> <li>• <b>50-100 mm:</b> La Union and the rest of Cordillera Administrative Region</li> </ul> <p><b>Forecast accumulated rainfall from Tuesday evening to Wednesday evening</b></p> <ul style="list-style-type: none"> <li>• <b>Greater than 200 mm:</b> Batanes</li> <li>• <b>100-200 mm:</b> Babuyan Islands, Ilocos Norte, Ilocos Sur, Abra, and Benguet.</li> <li>• <b>50-100 mm:</b> The northern portion of mainland Cagayan and the rest of Ilocos Region and Cordillera Administrative Region</li> </ul> <p>Typhoon BETTY will also enhance the Southwest Monsoon and:</p> <ul style="list-style-type: none"> <li>• <b>Monday:</b> Monsoon rains are possible over MIMAROPA and Western Visayas</li> <li>• <b>Tuesday:</b> Monsoon rains are likely over MIMAROPA and Western Visayas.</li> <li>• <b>Wednesday:</b> Monsoon rains are likely over Western Visayas and the western portion of Luzon.</li> </ul> <p>Under these conditions, <b>flooding and rain-induced landslides are likely</b>, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities that experienced considerable amounts of rainfall for the past several days.</p> <p><b><u>Severe Winds</u></b></p> <ul style="list-style-type: none"> <li>• Strong winds (strong breeze to near gale strength) are possible within any of the areas where Tropical Cyclone Wind Signal No.1 is currently in effect. Such conditions may begin on late Sunday or on Monday.</li> <li>• The enhanced Southwest Monsoon may also bring strong breeze to near gale conditions with intermittent gusts beginning on tomorrow evening or early Monday over Visayas, the eastern portion of Central Luzon, the eastern and southern portion of Southern Luzon, and the northern portion of Mindanao. The western portion of Luzon may also experience similar conditions beginning on Tuesday or Wednesday.</li> </ul>

Prepared by:  PCDM

Checked by:  RPG



**TROPICAL CYCLONE BULLETIN NO. 4**  
**Typhoon BETTY (MAWAR)**

Issued at 11:00 PM, 27 May 2023


Valid for broadcast until the next bulletin at 5:00 AM tomorrow.

<b>HAZARDS AFFECTING COASTAL WATERS</b>
<ul style="list-style-type: none"> <li>Under the influence of BETTY, a <b>Marine Gale Warning is in effect</b> over the northern and eastern seaboard of Northern Luzon, eastern seaboard of Central and Southern Luzon, and the eastern seaboard of Visayas and Mindanao. For more information, refer to <b>Gale Warning #1</b> issued at 5:00 PM today.</li> <li>In the next 24 hours, moderate to rough seas (1.2 to 2.8 m) are also possible for the southern seaboard of Southern Luzon and the remaining seaboard of Visayas that are not under any gale warning. Marines of small seacrafts are advised to take precautionary measures while venturing out to sea and, if possible, avoid navigating in these conditions.</li> </ul>
<b>TRACK AND INTENSITY OUTLOOK</b>
<ul style="list-style-type: none"> <li>BETTY is forecast to track west northwestward or northwestward in the 72 hours while gradually decelerating. The typhoon will likely become slow moving or almost stationary by Tuesday while over the waters east of Batanes. BETTY will resume moving towards the north or north northeast by mid Wednesday.</li> <li>This typhoon is forecast to remain as a typhoon throughout the forecast period, although it is expected to gradually weaken until Tuesday. Afterwards, increasingly unfavorable environment while moving northward or north northeastward on Wednesday or Thursday will result in a faster weakening rate.</li> </ul>

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 5:00 AM tomorrow.

**DOST-PAGASA**

Prepared by:  PCDM

Checked by:  RPG